

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An automatic drawing creation method for creating a two-dimensional drawing in accordance with ~~of constructing~~ a three-dimensional model by using a computer source having a processing device source, a memory source, an input device and an interface, comprising ~~in which the processing device source executes a processing including;~~

a step of extracting a designated drawing frame from a drawing frame data base that stores drawing frame data for [[on]] every application uses,

a step of projecting a three-dimensional model extracted from a three-dimensional model data base to a predetermined position of [[on]] the extracted drawing frame based on the selection from a screen of at least one of an election between a front view or a plan view and an election of a cross sectional coordinate on the screen of the three dimensional CAD system thereby creating a two-dimensional projection drawing,

~~a step of extracting dimensional line elements in accordance with the shape of the two dimensional projection drawing from a dimension data base that stores data concerning a plurality of dimensional line elements and deforming them in accordance with attribute values of a product, and~~

~~a step of compounding the deformed dimension line elements and the two-dimensional projection drawing and outputting the two dimensional projection drawing as a drawing, based on the operation program of the memory source,~~

a step of selecting dimension line elements in accordance with a shape code stored together with the three-dimensional model from the data base,

a step of selecting and adding only necessary dimension line elements in the two-dimensional projection drawing from the selected dimension line elements in accordance with a selection at least one of a part form, an arrangement, a direction, an addition dimension, and a part code,

a step of arranging a compounded drawing including the two-dimensional projection drawing on a drawing frame file such that of the selected dimension line elements, only the necessary dimension line elements are added in the two-dimensional projection drawing.

2. (Currently Amended) The automatic drawing creation method according to claim 1, wherein

the method including a step of extracting designated tolerance values and remarks from a design reference data base and describing them at designated positions on the two-dimensional projection drawing when ~~the deformed only the necessary~~ dimension line elements and the two-dimensional projection drawing are compounded.

3. (Currently Amended) An automatic two-dimensional drawing creation system ~~including an attribute value data base that stores data concerning the attribute values of a product,~~

~~a three dimensional model data base that stores three dimensional model data of the product,~~

~~a drawing frame data base that stores drawing frame data on every application uses, projection drawing creation means that extracts the designated drawing frame from the drawing frame data base, and projects the three-dimensional model extracted from the three dimensional model data base on the extracted drawing frame thereby creating a two dimensional projection drawing,~~

~~a dimension data base that stores data concerning a plurality of dimension line elements, compounding means that extracts the dimension line elements in accordance with the shape of the two dimensional projection drawing from the dimension data base, deforms them in accordance with the attribute values of the product and compounds the deformed dimensional line elements and the two-dimensional projection drawing, and~~

~~drawing output means that outputs the two dimensional projection drawing compound by the compounding means as a drawing~~

that generates a two-dimensional drawing in accordance with a three-dimensional model using a computer source, an input device and an interface,
the system comprising:

an extracting means that extracts a designated drawing frame from a drawing frame data base that stores drawing frame data for every application use;

a projection means that projects a three-dimensional model extracted from a three-dimensional model data base to a predetermined position of the extracted drawing frame based on the selection using on a screen of at least one of a selection between a front and a plan view and a designation on the screen of a cross sectional coordinate of the three-dimensional CAD system, thereby creating a two-dimensional projection drawing;

a selecting means that selects dimension line elements in accordance with a shape code stored together with the three dimensional model in the three-dimensional model data base;

a selecting and adding means that selects only necessary dimension line elements in the two-dimensional projection drawing from the selected dimension line elements in accordance with a selection of at least one of a part form, an arrangement, a direction, an addition dimension, and a part code; and

a compounding means that arranges a compounded drawing on the drawing frame file including the two-dimensional projection drawing, wherein only the necessary dimension line elements of the selected dimension line elements are included in the two-dimensional projection drawing.

4. (Currently Amended) The automatic drawing creation system according to claim 3, wherein

the system includes a design reference data base that stores data of tolerance values concerning each of the dimension line elements and remarks, and

the compounding means extracts designated tolerance values and remarks from the design reference data base and describes them at designated positions on the two-dimensional projection drawing when ~~the deformed~~ only the necessary dimension line elements and the two-dimensional projection drawing are compounded.

5-6. (Canceled)